

Patent claims

1. A component, in particular crossmember, for
5 arranging between A-pillars of a motor vehicle, with a
metallic basic body (1) which has essentially a tubular
form or another elongated form and to which a duct (2),
in particular ventilation duct, of plastic (7) is
connected at least partially within the profile of the
10 basic body (1), and with a joining part (4) which is
connected mechanically to the basic body (1) or to a
part connected rigidly thereto and is used for
fastening a further component, characterized in that
the joining part (4) is connected at a joining point
15 (5) with a cohesive material joint to the basic body
(1) or to a part connected rigidly thereto with an
intermediate region (12) being formed in order to
reduce the heat transfer between the joining part (4)
and the plastic (7) of the duct (2) and/or to conduct
20 away a gas produced during the joining.

2. The component as claimed in claim, characterized
in that the duct (2) is connected to the basic body (1)
by means of plastic injection molding in a strength-
25 transmitting manner.

3. The component as claimed in claim 1 or 2,
characterized in that the joining point (5) is arranged
directly on the basic body (1).

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4. The component as claimed in claim 3, characterized
in that, in the region provided for the fastening of
the joining part (4), the basic body (1) has an
embossed structure (6) which is designed in such a
35 manner that the wall of the duct (2), which is
otherwise formed from plastic (7), is formed in the
intermediate region (12) adjoining the joining point
(5) from the material of the basic body (1).

5. The component as claimed in claim 4, characterized in that the sum of the embossed depth (p) of the embossed structure (6) and of the wall thickness (a) of the basic body (1) corresponds at least approximately to the wall thickness (d) of the duct (2).

6. The component as claimed in claim 3, characterized in that the joining point (5) is formed on a bent-outward part (14) of the basic body (1), which bent-outward part points away from the duct (2).

7. The component as claimed in claim 1 or 2, characterized in that the joining point (5) is arranged on an inset part (30) connected rigidly to the basic body (1).

8. The component as claimed in one of claims 1 to 7, characterized in that on its outer side facing the basic body (1) the duct (2) has a surface structure forming the intermediate region (12).

9. The component as claimed in one of claims 1 to 8, characterized in that the jointing part (4) is connected to the basic body (1) at the joining point (5) by means of a low-heat joining method.